

RAW SEQUENCE LISTING

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Application Serial Number: 10/552, 388
Source: PCT
Date Processed by STIC: 10/20/2005

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/552,388

DATE: 10/20/2005

TIME: 09:38:30

Input Set : A:\seq listing.app
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3 <110> APPLICANT: Ross et al.
 5 <120> TITLE OF INVENTION: Polypeptides Containing Glycosylphosphatidylinositol
 7 <130> FILE REFERENCE: 71838-01
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/552,388
 C--> 9 <141> CURRENT FILING DATE: 2005-10-07
 9 <150> PRIOR APPLICATION NUMBER: PCT/GB04/001572
 10 <151> PRIOR FILING DATE: 2004-04-07
 12 <150> PRIOR APPLICATION NUMBER: 032435.1
 13 <151> PRIOR FILING DATE: 2003-10-16
 15 <150> PRIOR APPLICATION NUMBER: 0308088.4
 16 <151> PRIOR FILING DATE: 2003-04-09
 18 <160> NUMBER OF SEQ ID NOS: 20
 20 <170> SOFTWARE: PatentIn version 3.1
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 794
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to domain
 29 comprising glycosylphosphatidylinositol
 31 <400> SEQUENCE: 1
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 36 acaacgctag tctccgcgcc catcgctctgc accagctggc ctttgacacc taccaggagt 180
 38 ttgaagaagc ctatatccca aaggaacaga agtattcatt cctgcagaac ccccagacct 240
 40 ccctctgttt ctcagagtctt attcgcacac cctccaaacag ggaggaaaca caacagaaat 300
 42 ccaacctaga gctgctccgc atctccctgc tgctcatcca gtcgtggctg gagccgtgc 360
 44 agttcctcag gagtgtcttc gccaacagcc tgggtacgg cgcctctgac agcaacgtct 420
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 48 gcagcccccg gactggcag atcttcaagc agacctacag caagttcgcac acaaactcac 540
 50 acaacgatga cgcactactc aagaactacag ggctgctcta ctgcttcagg aaggacatgg 600
 52 acaaggcgtga gacattctcg cgcacatgtgc agtgcgcgtc tgtggaggc agctgtggct 660
 54 tcggcggtgg agggatatac gacaagctgg tcaagtgtgg cggcataagc ctgctggttc 720
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 62 <211> LENGTH: 254
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Artificial Sequence
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to a
 68 glycosylphosphatidylinositol domain
 70 <400> SEQUENCE: 2

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72 Met Asp Leu Trp Gln Leu Leu Leu Thr Leu Ala Leu Ala Gly Ser Ser
 73 1 5 10 15
 76 Asp Ala His Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn
 77 20 25 30
 80 Ala Ser Leu Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr
 81 35 40 45
 84 Gln Glu Phe Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe
 85 50 55 60
 88 Leu Gln Asn Pro Gln Thr Ser Leu Cys Phe Ser Glu Ser Ile Pro Thr
 89 65 70 75 80
 92 Pro Ser Asn Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu
 93 85 90 95
 96 Arg Ile Ser Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Phe
 97 100 105 110
 100 Leu Arg Ser Val Phe Ala Asn Ser Leu Val Tyr Gly Ala Ser Asp Ser
 101 115 120 125
 104 Asn Val Tyr Asp Leu Leu Lys Asp Leu Glu Glu Gly Ile Gln Thr Leu
 105 130 135 140
 108 Met Gly Arg Leu Glu Asp Gly Ser Pro Arg Thr Gly Gln Ile Phe Lys
 109 145 150 155 160
 112 Gln Thr Tyr Ser Lys Phe Asp Thr Asn Ser His Asn Asp Asp Ala Leu
 113 165 170 175
 116 Leu Lys Asn Tyr Gly Leu Leu Tyr Cys Phe Arg Lys Asp Met Asp Lys
 117 180 185 190
 120 Val Glu Thr Phe Leu Arg Ile Val Gln Cys Arg Ser Val Glu Gly Ser
 121 195 200 205
 124 Cys Gly Phe Gly Gly Gly Asp Ile Asp Lys Leu Val Lys Cys Gly
 125 210 215 220
 128 Gly Ile Ser Leu Leu Val Gln Asn Thr Ser Trp Met Leu Leu Leu
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 139 <213> ORGANISM: Artificial Sequence
 141 <220> FEATURE:
 142 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth
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 143 receptor
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 150 acaaacgctag tctccgcgcc catcgctcgc accagctggc ctttgacacc taccaggagt 180
 152 ttgaagaagc ctatatccca aaggaacaga agtattcatt cctgcagaac ccccaagac 240
 154 ccctctgttt ctcagagtct attccgacac cctccaacag ggagggaaaca caacagaaat 300
 156 ccaaacctaga gctgctccgc atctccctgc tgctcatcca gtcgtggctg gagccccgtgc 360
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 160 atgacctcct aaaggaccta gaggaaggca tccaaacgct gatggggagg ctgaaagatg 480
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168	tcggcggccg	cggtgccgga	ggttagtggg	gccccggtag	cggtggccga	ggttctggtg	720
170	gccccgggttc	cgaattcttt	tcttggaaatg	aggccacagc	agctatcctt	agcagagcac	780
172	cctggagtct	gaaatgttt	aatccaggcc	taaagacaaa	ttcttctaaag	gacgctaaat	840
174	tcaccaagtg	ccgttccac	gagcgagaga	cttttcatg	ccactggaca	gatgaggttc	900
176	atcatggta	aaagaaccta	gacccat	agctgttct	taccagaagg	aacactcaag	960
178	aatggactca	agaatggaaa	gaatggcc	attatgtttc	tgctgggaa	aacagctgtt	1020
180	actttaattc	atcg	ttaccatctg	taccttattt	tatcaagct	actagcaatg	1080
182	gtggtagt	ggatgaaaag	tggttctctg	ttgtatgaaat	agtgcaacca	gatccaccca	1140
184	ttggccctcaa	ctggacttta	ctgaacgtca	gtttaactgg	gattcatgca	gatatccaag	1200
186	tgagatggga	agcaccacgc	aatgcagata	ttcagaaagg	atggatgtt	ctggagatgt	1260
188	aacttcaata	caaagaagta	aatgaaaacta	aatgaaaat	gatggaccc	atattgacaa	1320
190	catcagttcc	agtgtactca	ttgaaaatgg	ataaggaata	tgaagtgcgt	gtgagatcca	1380
192	aacaacgaaa	ctctggaaat	tatggcgagt	tcagtggaggt	gctctatgt	acacttcctc	1440
194	agatgagcca	atttacatgt	gaagaagatt	tctacggcgg	tggaggggat	atcgacaagc	1500
196	tggtagt	tggccgcata	agcctgttgg	ttcagaacac	atcctggatg	ctgctgtgc	1560
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207	<223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth						

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208	receptor																																
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216	Asp	A	lu	His	Met	P	he	P	ro	T	hr	I	le	P	ro	L	eu	S	er	A	rg	L	eu	P	he	A	sp	A	sn				
217														20										25				30					
220	A	lu	S	er	L	eu	A	rg	A	lu	H	is	A	rg	L	eu	H	is	G	ln	L	eu	A	lu	P	he	A	sp	T	yr			
221														35										40				45					
224	G	ln	G	lu	P	he	G	lu	A	lu	T	yr	I	le	P	ro	L	ys	G	ln	L	ys	T	yr	S	er	P	he					
225														50										55				60					
228	L	eu	G	ln	A	sn	P	ro	G	ln	Th	hr	S	er	L	eu	C	ys	P	he	S	er	I	le	P	ro	Th						
229														65										70				75			80		
232	P	ro	S	er	A	sn	A	rg	G	lu	G	lu	T	hr	G	ln	G	L	S	er	A	sn	L	eu	G	lu	L	eu	L	eu			
233														85										90				95					
236	A	rg	I	le	S	er	L	eu	L	eu	I	le	G	ln	S	er	T	rp	L	eu	G	lu	P	ro	V	al	G	ln	P				
237														100										105				110					
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241														115										120				125					
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248	M	et	G	ly	A	rg	L	eu	G	lu	A	sp	G	ly	S	er	P	ro	A	rg	Th	G	ly	G	ln	I	le	P	he	L			
249														145										150				155			160		
252	G	ln	T	hr	T	yr	S	er	L	ys	P	he	A	sp	T	hr	A	sn	S	er	H	is	A	sn	A	sp	A	sp	A	lu	L		
253														165										170				175					
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 261 195 200 205
 264 Cys Gly Phe Gly Gly Arg Gly Gly Ser Gly Gly Gly Ser
 265 210 215 220
 268 Gly Gly Gly Ser Gly Gly Gly Ser Gly Phe Ser Gly Ser
 269 225 230 235 240
 272 Glu Ala Thr Ala Ala Ile Leu Ser Arg Ala Pro Trp Ser Leu Gln Ser
 273 245 250 255
 276 Val Asn Pro Gly Leu Lys Thr Asn Ser Ser Lys Glu Pro Lys Phe Thr
 277 260 265 270
 280 Lys Cys Arg Ser Pro Glu Arg Glu Thr Phe Ser Cys His Trp Thr Asp
 281 275 280 285
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 288 Thr Arg Arg Asn Thr Gln Glu Trp Thr Gln Glu Trp Lys Glu Cys Pro
 289 305 310 315 320
 292 Asp Tyr Val Ser Ala Gly Glu Asn Ser Cys Tyr Phe Asn Ser Ser Phe
 293 325 330 335
 296 Thr Ser Ile Trp Ile Pro Tyr Cys Ile Lys Leu Thr Ser Asn Gly Gly
 297 340 345 350
 300 Thr Val Asp Glu Lys Cys Phe Ser Val Asp Glu Ile Val Gln Pro Asp
 301 355 360 365
 304 Pro Pro Ile Ala Leu Asn Trp Thr Leu Leu Asn Val Ser Leu Thr Gly
 305 370 375 380
 308 Ile His Ala Asp Ile Gln Val Arg Trp Glu Ala Pro Arg Asn Ala Asp
 309 385 390 395 400
 312 Ile Gln Lys Gly Trp Met Val Leu Glu Tyr Glu Leu Gln Tyr Lys Glu
 313 405 410 415
 316 Val Asn Glu Thr Lys Trp Lys Met Met Asp Pro Ile Leu Thr Thr Ser
 317 420 425 430
 320 Val Pro Val Tyr Ser Leu Lys Val Asp Lys Glu Tyr Glu Val Arg Val
 321 435 440 445
 324 Arg Ser Lys Gln Arg Asn Ser Gly Asn Tyr Gly Glu Phe Ser Glu Val
 325 450 455 460
 328 Leu Tyr Val Thr Leu Pro Gln Met Ser Gln Phe Thr Cys Glu Glu Asp
 329 465 470 475 480
 332 Phe Tyr Gly Gly Gly Asp Ile Asp Lys Leu Val Lys Cys Gly Gly
 333 485 490 495
 336 Ile Ser Leu Leu Val Gln Asn Thr Ser Trp Met Leu Leu Leu Leu Leu
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 345 <211> LENGTH: 1442
 346 <212> TYPE: DNA
 347 <213> ORGANISM: Artificial Sequence
 349 <220> FEATURE:
 350 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth
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359	ttgaagaagc	ctataccca	aaggaacaga	agtattcatt	cctgcagaac	ccccagacct	240
361	ccctctgttt	ctcagagtct	attccgacac	cctccaacag	ggagggaaaca	caacagaaat	300
363	ccaaacctaga	gctgcctcgc	atctccctgc	tgctcatcca	gtcggtgg	gagcccggtgc	360
365	agttcctca	gagtgcttc	gccaacagcc	tgggtgtacgg	cgcctctgac	agcaacgtct	420
367	atgacccct	aaaggaccta	gaggaaggca	tccaaacgct	gatggggagg	ctgaaagatg	480
369	gcagcccccg	gactgggcag	atcttcaagc	agacctacag	caagttcgac	acaaactcac	540
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381	atatccaaa	ggaacagaag	tattcattcc	tgcagaaccc	ccagacccctc	ctctgtttct	900
383	cagagtctat	tccgacacccc	tccaaacaggg	agggaaacaca	acagaaatcc	aacctagagc	960
385	tgctccgcac	ctccctgctg	ctcatccagt	cgtggctgg	gcccgtgcag	ttcctcagg	1020
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405 <211> LENGTH: 470

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407 <213> ORGANISM: Artificial Sequence

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410 <223> OTHER INFORMATION: fusion protein comprising growth hormone fused to growth hormone

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date